

(CTV-A) 0-20 Amp Split Core AC

The CTV-A 0-20 Amp is a split-core AC current sensor responsive over the range of 0 to 20 amps AC for use with U12 data loggers with external input channels. With an input current of AC current, sine wave, single phase 50 Hz or 60 Hz, load power factor 0.5 to 1.0 lead or lag.

Features: Measure Voltage, Sensor Power induced from Line voltage, Self gripping split-core design for fast installation

Installation

- * The I-bar can be hinged open in order to install the CTV around an individual wire carrying a single phase.
 - 1) Rotate the I-bar open (on the CTV-D and -E units, press in the I-bar tabs to open, 2) place the wire in the CTV window, 3) snap the I-bar closed.
- * The I-bar on the CTV-D and CTV-E units is fully removable for easy installation. Make sure the I-bar is replaced in the proper orientation to ensure correct readings. The contacts on the unit and I-bar are marked with matching notations.
- * The CTV-A, -B, and -C units are provided with a snap-on mounting plate which can be removed from the CTV and mounted separately. Mount the plate under the wire you want to monitor and, once the cable is installed into the CTV, snap the CTV/wire assembly onto the mounting plate.
- * You can remove the CTV from the plate by opening the CTV and sliding it off the plate or gently rocking the CTV slightly and pulling up at the same time.



Measuring AC & DC Current with Data loggers

- * Insert the 2.5mm plug of the CTV into an external input of a U12 series data logger or a ZW series data node.
- * To start the U12 logger, go to the launch function within Hoboware software. Use Hobonode manager within Hoboware for the data node.
- * Select the correct AC current range in software. The current range of the CTV is provided on the CTV label. Do not Exceed.
- * In the software for the U12 Logger, be sure to enable the appropriate channel and select the range within the channels and sensors

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